

Attorney's Docket No.: 10448 / MPI98-129CP2RCE

#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Gregory J. LaRosa et al.

Art Unit

Examiner:

Unknown Unknown

Serial No. Filed .

09/497,625

February 3, 2000

Title

HUMANIZED ANTI-CCR2 ANTIBODIES AND METHODS OF USE THEREFOR

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

#### REVOCATION AND NEW POWER OF ATTORNEY

Under 37 CFR §3.73(b) MILLENNIUM PHARMACEUTICALS, INC., a corporation, certifies that it is the assignee of 100% of the right, title and interest in the patent application identified above by virtue of:

- X A chain of title from the inventors of the patent application identified above, to the current assignee as shown below.
- 1. From the inventors to Millennium Pharmaceuticals, Inc. recorded in the Patent and Trademark Office at Reel 011196, Frame 0894 on October 23, 2000.
- 2. From the inventors to Medical Research Council Technology recorded in the Patent and Trademark Office at Reel 011196, Frame 0853 on October 23, 2000.
- From Medical Research Council Technology to Millennium Pharmaceuticals, Inc. recorded in the Patent and Trademark Office at Reel 011199, Frame 0876 on October 23, 2000.

The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned, whose title is supplied below, is empowered to act on behalf of the assignee.

#### CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date-of Deposit

Typed or Printed Name of Person Signing Certificate

Applicant: Gregory J. LaRosa et al.

Serial No.: 09/497,625

Filed : February 3, 2000

Page

: 2 of 2

The undersigned, acting on behalf of the assignee, hereby revokes all powers of attorney previously granted in the application and appoints:

Laurie Butler Lawrence

Reg. No. 46,593

Louis Myers

Reg. No. 36,965

Leda I. Trivinos Reg. No. 50,635

Attorney's Docket No.: 10448 / MPI98-129CP2RCE

all of: FISH & RICHARDSON P.C.

225 Franklin Street Boston, MA 02110-2804

with full power of substitution and revocation, to prosecute the application and to transact all business in the United States Patent and Trademark Office connected therewith.

All correspondence regarding the application should be sent to:

PTO Customer Number: 26161

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Respectfully submitted,

JEAN M. SILVERI

Title: Associate General Counsel

Fish & Richardson P.C.

225 Franklin Street

Boston, MA 02110-2804 Telephone: (617) 542-5070 Facsimile: (617) 542-8906

20792091.doc

## **Declaration for Patent Application**

As a named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated next to my name;

I believe I am the original, first and sole inventor (if only one name is listed) or an original, first and joint inventor (if plural names are listed in the signatory page(s) commencing at page 3 hereof) of the subject matter which is claimed and for which a patent is sought on the invention entitled

<u>F</u>	IUMANIZED ANTI-CCR2	ANTIBODIES AND METHODS	OF US	E THE	REF	OR		
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the specification of	which (check one)	·						
[] is attached	is attached hereto.							
[X] was filed	on February 3, 2000 as Ur	nited States Application						
Number o	r PCT International Applica	tion No. 09/497,625		<del></del>				
and was a	mended on	(if applicable).						
I hereby s including the claim	tate that I have reviewed and us, as amended by any amen	d understand the contents of the abdment referred to above.	ove-ide	ntified	spec	cifica	tion,	
I acknowl defined in 37 C.F.F	edge the duty to disclose inf R. §1.56.	formation which is known by me to	o be ma	terial t	o pat	entab	ility	as
for patent or invent country other than any foreign applica	or's certificate or 365(a) of the United States of Americ	s under 35 U.S.C. 119(a)-(d) or 36 any PCT international application a, listed below and have also ident certificate, or of any PCT internat ority is claimed:	which of the control	lesigna low, b	ted a y che	t leas cking	t one	box,
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I hereby claim the	benefit under 35 U.S.C. §11	9(e) of any United States provision	nal appl	ication	ı(s) l	isted 1	belov	₩.
(Application Numb	per)	(Filing Date)	<u>, , , , , , , , , , , , , , , , , , , </u>				,,	
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09/121,781 (Application Serial No.) (F	July 22, 1999  Tiling date)  July 23, 1998  Tiling date)	Pending (Status: patented, pending, ab	andoned)
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(Application Serial No.) (F	iling date)	(Status: patented, pending, ab	andoned)
As a named inventor, I hereby a Hamilton, Brook, Smith & Reynolds, P Customer No. 21005,	ppoint the attorneys and/ .C., Two Militia Drive,	or agents associated with Lexington, Massachusetts 02	421-4799
and			,
to prosecute this application and to transa	act all business in the Pate	ent and Trademark Office conn	ected therewith.
Please send correspondence to:			
[X] Customer No. 2100		ITH & REYNOLDS, P.C.	
HAM Two	Militia Drive		
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HAM Two Lexii	Militia Drive		
HAM Two Lexis  or  [ ] Address as follows:	Militia Drive ngton, MA 02421-4799		-6240
or  [ ] Address as follows:  Direct telephone calls to: Heler	Militia Drive ngton, MA 02421-4799 n E. Wendler, Esq.	Telephone No.: 781-861	
HAM Two Lexis  or  [ ] Address as follows:	Militia Drive ngton, MA 02421-4799  n E. Wendler, Esq.		
or  [ ] Address as follows:  Direct telephone calls to: Heler	Militia Drive ngton, MA 02421-4799  n E. Wendler, Esq. n E. Wendler, Esq. nts made herein of my oved to be true; and furthe nd the like so made are pates Code and that such very	Telephone No.: 781-861  Facsimile No.: 781-861  wn knowledge are true and that that these statements were mand that the statements were mand	all statements ade with the nent, or both, under
or  [ ] Address as follows:  Direct telephone calls to: Heler  Direct facsimiles to: Heler  I hereby declare that all statement made on information and belief are believ knowledge that willful false statements at Section 1001 of Title 18 of the United Statements.	Militia Drive ngton, MA 02421-4799  n E. Wendler, Esq. n E. Wendler, Esq. nts made herein of my oved to be true; and furthe nd the like so made are pates Code and that such very	Telephone No.: 781-861  Facsimile No.: 781-861  wn knowledge are true and that that these statements were mand that the statements were mand	all statements ade with the nent, or both, under
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I hereby declare that all statements are Section 1001 of Title 18 of the United Stroft the application or any patent issued the or first inventor Gregory J. Lal	Militia Drive angton, MA 02421-4799 an E. Wendler, Esq. an E. Wendler, Esq. and further and the like so made are pates Code and that such vereon.	Telephone No.: 781-861  Facsimile No.: 781-861  wn knowledge are true and that in that these statements were maunishable by fine or imprisonm willful false statements may jeographic description.	all statements de with the nent, or both, under pardize the validity
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Full name of second join	int	
	Christopher Horvath	
• • •	Christopher Horvath	
	209 Plain Street	
	Taunton, Massachusetts 02780	
	U.S.A.	
•	same as above	
Full name of third joint	;	
inventor, if any	Walter Newman /	
Inventor's Signature	Walter Newman / / / / / / / / / / / / / / / / / / /	Date <u>6/29/00</u>
Residence	3 Durham Street, #3	
<del></del>	Boston, Massachusetts 02115	
	U.S.A.	
	same as above	
Full name of fourth join		
inventor, if any	S. Tarran Jones	<u> </u>
Inventor's Signature		Date
	1 Christ Church Crescent	
	Radlett, Hertfordshire, UK WD78AG	
Citizenship	British	
Post Office Address	same as above	
Full name of fifth joint		
	Siobhan H. O'Brien	
	CHOCKER TH. C DATE.	Date
Residence		
•	Finchley, London, UK N33NA	
	Irish	
•	same as above	
Full name of sixth joint		
inventor, if any	Theresa O'Keefe	
Inventor's Signature	Then O The	Date 6/29/00
Residence	61 Parkers Lane	
	Waltham, Massachusetts 02453	
Citizenship	U.S.A.	
Post Office Address	same as above	

::ODMA\MHODMA\IMANAGE;135021;1

## **Declaration for Patent Application**

As a named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated next to my name;

I believe I am the original, first and sole inventor (if only one name is listed) or an original, first and joint inventor (if plural names are listed in the signatory page(s) commencing at page 3 hereof) of the subject matter which is claimed and for which a patent is sought on the invention entitled

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(Numb	per)	(Country)	(Day/	Month/Year filed)	[	]	[	]	[	]
I hereb	by claim the benefit	under 35 U.S.C. §1	19(e) of any	United States provision	onal appl	ication	ı(s) li	sted l	belov	٧.
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09/359,193		July 22, 1999	Pending
(Application Serial No.)		(Filing date)	(Status: patented, pending, abandoned)
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As a named inv Hamilton, Brook, Smit Customer No. 2100	th & Reyn	ereby appoint the attorneys a olds, P.C., Two Militia Dr	and/or agents associated with ive, Lexington, Massachusetts 02421-4799
			,
to prosecute this applica	ition and to	transact all business in the	Patent and Trademark Office connected therewith.
Please send corresp	ondence t	<b>o:</b>	
[X] Customer No.		21005 HAMILTON, BROOK, Two Militia Drive Lexington, MA 02421-4	SMITH & REYNOLDS, P.C.
or		<i>5</i> /	
[ ] Address as foll			T. 1
Direct telephor	ne calls to:	Helen E. Wendler, Esq.	Telephone No.: 781-861-6240
Direct facsimil	es to:	Helen E. Wendler, Esq.	Facsimile No.: 781-861-9540
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Full name of sole			
Inventor's Signature			Date
Residence	16 Ala	meda Road	
	West R	loxbury, Massachusetts 021	132
Citizenship	U.S.A.		
Post Office Address	same a	s above	

Full name of second joint	t	
inventor, if any	Christopher Horvath	
Inventor's Signature		Date
	Taunton, Massachusetts 02780	
Citizenship	U.S.A.	
Post Office Address	same as above	
Full name of third joint		
inventor, if any	Walter Newman	
Inventor's Signature		Date
Residence	3 Durham Street, #3	
	Boston, Massachusetts 02115	
Post Office Address	same as above	
Full name of fourth joint		
•	S Tarran Jones	
Inventor's Signature	D. I Jorga	Date 19600
	1 Christ Church Crescent	
-		
Full name of fifth joint		
inventor, if any	Siobhan H. O'Brien	
Inventor's Signature	Sibhien or Brien	Date 6/6/00
Residence		39 DORSET MEWS.
Residence	Finehley, London, UK N33NA	FINCHLEY, LONDON, UK N3 2BN
Citizenship		,
	same as above	
Full name of sixth joint		
inventor, if any	Theresa O'Keefe	
		Date
	61 Parkers Lane	
	Waltham, Massachusetts 02453	
Citizenship		
	same as above	
::ODMA\MHODMA\IM		
.,		

30/1/00

#### Substitute Declaration for Patent Application

COPY FOR CONTINUING APPLICATION

As a named inventor, I hereby declare that:

(Application Number)

My residence, post office address and citizenship are as stated next to my name;

I believe I am the original, first and sole inventor (if only one name is listed) or an original, first and joint inventor (if plural names are listed in the signatory page(s) commencing at page 3 hereof) of the subject matter which is claimed and for which a patent is sought on the invention entitled HUMANIZED ANTI-CCR2 ANTIBODIES AND METHODS OF USE THEREFOR the specification of which (check one) []is attached hereto. was filed on February 3, 2000 as United States Application [X]Number or PCT International Application No.\_\_ and was amended on (if applicable). I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is known by me to be material to patentability as defined in 37 C.F.R. §1.56. I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed: Prior Foreign Application(s) Priority Certified Copy Filed? Not NO Claimed YES (Day/Month/Year filed) (Country) (Number) (Number) (Country) (Day/Month/Year filed) (Country) (Day/Month/Year filed) (Number) I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below. (Application Number) (Filing Date)

(Filing Date)

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(Application Serial No.	)	(Filing date)	(Status: patented, pending, abandoned)
	th & Reyno		nd/or agents associated with ve, Lexington, Massachusetts 02421-4799
and			
to prosecute this applica	ation and to	transact all business in the l	Patent and Trademark Office connected therewith.
Please send corresp	ondence to	:	
[X] Customer No.		21005 HAMILTON, BROOK, S Two Militia Drive Lexington, MA 02421-47	SMITH & REYNOLDS, P.C.
or			
[ ] Address as foll	lows:		•
Direct telepho	ne calls to: _	Helen E. Wendler, Esq.	Telephone No.: 781-861-6240
Direct facsimil	les to:	Helen E. Wendler, Esq.	Facsimile No.: 781-861-9540
on information and beli that willful false stateme	ef are believ ents and the United State	ed to be true; and further the like so made are punishable s Code and that such willfu	own knowledge are true and that all statements made these statements were made with the knowledge by fine or imprisonment, or both, under Section I false statements may jeopardize the validity of the
Full name of sole			
or first inventor	Gregory	J. LaRosa	
Inventor's Signature	201	1-7ah	Date
Residence	325 Woo	odward Street	
	Newton,	Massachusetts 02468	
Citizenship	U.S.A.		
Post Office Address	same as	above	

Full name of second join	it ,	
inventor, if any	Christopher Horvath	
Inventor's Signature		Date
Residence	209 Plain Street	
	Taunton, Massachusetts 02780	······································
Citizenship	U.S.A.	
Post Office Address	same as above	
Full name of third joint	·	
inventor, if any	Walter Newman	,
Inventor's Signature		Date
	3 Durham Street, #3	
	Boston, Massachusetts 02115	
Citizenship	U.S.A.	
	same as above	
inventor, if any	S. Tarran Jones	
Inventor's Signature		Date
Residence	1 Christ Church Crescent	
	Radlett, Hertfordshire, UK WD78AG	
Citizenship	British	
Post Office Address	same as above	
Full name of fifth joint		
inventor, if any	Siobhan H. O'Brien	
Inventor's Signature		Date
Residence	66 Stanhope Avenue, Basement Flat	
	Finchley, London, UK N33NA	
Citizenship	Irish	
	same as above	
Full name of sixth joint		
inventor, if any	Theresa O'Keefe	
Inventor's Signature		
	61 Parkers Lane	
	Waltham, Massachusetts 02453	
	U.S.A.	
Post Office Address	same as above	
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## **Declaration for Patent Application**

COPY FOR CONTINUING APPLICATION

As a named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated next to my name;

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	e that I have reviewed an as amended by any amen	d understand the contents of the abdment referred to above.	ove-ide	ntified	spec	ificat	ion,	
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	th & Reyn	creby appoint the attorneys an olds, P.C., Two Militia Driv	d/or agents associated with re, Lexington, Massachusetts 02421-4799
and		with the state of	7
to prosecute this applica	ition and to	transact all business in the P	atent and Trademark Office connected therewith.
Please send corresp	ondence t	o:	
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[ X ] Customer No.		HAMILTON, BROOK, S Two Militia Drive Lexington, MA 02421-479	·
	ows:	HAMILTON, BROOK, S Two Militia Drive	·
or [ ] <b>Address as foll</b>		HAMILTON, BROOK, S Two Militia Drive	·
or  [ ] Address as foli  Direct telephore	ne calls to:	HAMILTON, BROOK, S Two Militia Drive Lexington, MA 02421-479	99
or  [ ] Address as foli  Direct telephor  Direct facsimil  I hereby declar on information and belief that willful false statemen	ne calls to:  es to:  e that all si ef are belie ents and the United Stat	HAMILTON, BROOK, S. Two Militia Drive Lexington, MA 02421-479  Helen E. Wendler, Esq.  Helen E. Wendler, Esq.  tatements made herein of my ved to be true; and further that is like so made are punishable es Code and that such willful	Telephone No.: 781-861-6240
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or  [ ] Address as folion  Direct telephore  Direct facsimil  I hereby declare on information and belief that willful false statemed application or any patents.	es to:  es to:  e that all si ef are belie ents and the United Stat t issued the	HAMILTON, BROOK, S. Two Militia Drive Lexington, MA 02421-479  Helen E. Wendler, Esq.  Helen E. Wendler, Esq.  tatements made herein of my ved to be true; and further that is like so made are punishable es Code and that such willful ereon.	Telephone No.: 781-861-6240  Facsimile No.: 781-861-9540  own knowledge are true and that all statements made at these statements were made with the knowledge by fine or imprisonment, or both, under Section
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Full name of second joint	t .	
inventor, if any	Christopher Horvath	
Inventor's Signature	Clustylu How Tom	Date 9/29/00
Residence	209 Plain Street	
	Taunton, Massachusetts 02780	
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Post Office Address	same as above	
Full name of third joint		
inventor, if any	Walter Newman	
Inventor's Signature		Date
Residence	3 Durham Street, #3	
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Citizenship	U.S.A.	
Post Office Address	same as above	
·		
Full name of fourth joint		
inventor, if any	S. Tarran Jones	
Inventor's Signature		Date
	1 Christ Church Crescent	
	Radlett, Hertfordshire, UK WD78AG	
Citizenship	British	<u> </u>
Post Office Address	same as above	
Full name of fifth joint		
inventor, if any	Siobhan H. O'Brien	
Inventor's Signature		Date
Residence	66 Stanhope Avenue, Basement Flat	
•	Finchley, London, UK N33NA	
Citizenship	Irish	
Post Office Address	same as above	
Full name of sixth joint	<del></del>	
inventor, if any	Theresa O'Keefe	
Inventor's Signature		Date
Residence	61 Parkers Lane	
	Waltham, Massachusetts 02453	
Citizenship	U.S.A.	
Post Office Address	como os abova	

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# DOCKET NO. 1855.1052-004\_\_

# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

COPY FOR CONTINUING APPLICATION

# Declaration for Patent Application

[X] Supplemental (37 C.F.R. §1.67)

As a named inventor, I hereby declare that:

application

My residence, realling address and citizenship are as stated next to my name;

a clati	I believe I am the original, first and sale inventor (if only one name is listed) or an original, first and joint or (if plant) armes are listed in the signatory page(s) commencing at page 2 hereof) of the subject matter which and for which a patent is sought on the invention entitled
	HUMANIKED ANTECCREANTIBODIES AND MEHIODS OF USE THEREFOR
the spi	milication of which (check are)
11	is attached hereto.
(X)	was filed on February 3, 2000 as United States Application Number 09/497,625.
11	awas filed on [PCT Filin; Dute] as PCT International Application No. [PCT Applia No.] [OPTION and assigned Uplied States Application No. [ ]].
X	and was amended on February 9, 2001; May 17, 2001; December 28, 2001; June 11, 2002; October 25, 2002; April 16, 2003; and August 18, 2003.
նոշիո	I hereivy state that I have reviewed and understand the contents of the above-identified specification, ling the claims, as amended by any amendment referred to above.
§1.56	I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R., including for continuation-in-part applications, material information which became available between the date of the prior application and the national or PCF international filing date of the continuation-in-part

I hereby claim foreign priority benefits under 35 U.S.C. 119 or 365 of any foreign application(s) for patent or inventor's certificate, or of my PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, my foreign application for patent or inventor's confinate, or of any PCT international application having a filing date before that of the application on which priority is claimed:

	Prior Foreign Application(s)		Priority Not Claimed		Centified Copy Filed YES 1			17 17	
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(Number)	(Country)	(Day/Month/Year filed)	Ţ	1	[	1	ſ	1	

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I hereby decisre that all statements made herein of my own knowledge are true and that all statements made on information and helief are helieved to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any parent issued thereon.

or first inventor	Grenory I. Lakosa	Date	
14411101's Signature	CHOICH VI. LAINEN.		
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Antino Address	same as above	
inventor, if any	Theresa O'Kucfo	19.15.03
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Residence	20 Richgrain Ayenue	
	Walth im, Massachusetts 02453.	
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